

WHAT IS CLAIMED IS:

1. An electro-optic device, comprising:
a display portion having a plurality of display elements arrayed on a transparent substrate; and
a silicon nitride film formed between the display portion and the transparent substrate,
the silicon nitride film having a plurality of apertures corresponding to positions of the respective display elements.
2. The electro-optic device according to Claim 1, each of the display elements being an organic EL element.
3. The electro-optic device according to Claim 1, the silicon nitride film being an underlying protective film disposed between the transparent substrate and a circuit element portion including switching elements to drive the respective display elements.
4. The electro-optic device according to Claim 3, the open size of each aperture being larger than the display size of each display element.
5. The electro-optic device according to Claim 1, the silicon nitride film being an interlayer insulating film disposed between the display elements and a circuit element portion including switching elements to drive the respective display elements.
6. The electro-optic device according to Claim 5, the open size of each aperture being equal to the display size of each display element.
7. The electro-optic device according to Claim 1, further comprising:
pixel electrodes to supply a current to the respective display elements, the pixel electrodes having surfaces and recesses in the surfaces in correspondence with positions of the respective apertures,
the display elements being disposed at bottoms of the respective recesses.
8. A method to manufacture an electro-optic device including a display portion having a plurality of organic EL elements arrayed on a display side of a transparent substrate, and a silicon nitride film formed between the display portion and the transparent substrate, the method comprising:
forming the silicon nitride film on the display side of the transparent substrate;
forming a plurality of apertures in the silicon nitride film so that the apertures correspond to positions of the respective organic EL elements;

forming a plurality of pixel electrodes on the display side of the silicon nitride film, the pixel electrodes having recesses corresponding to positions of the respective apertures; and

forming the organic EL elements at bottoms of the respective recesses.

9. An electronic apparatus, comprising:
the electro-optic device according to claim 1.